

ABSTRACT OF THE DISCLOSURE

A method of simultaneously depositing dielectric layers on both facets of an optical device and devices made therefrom. The steps of the method are selecting a substrate; forming an optical device on the substrate; forming an active-layer pumping structure on the optical device; forming facets in the optical device with at least two different orientations; and coating a user-definable number of dielectric layers onto the facets. The dielectric layers may be deposited in single dielectric layers or in pairs of dielectric layers. Single layers are useful for forming optical amplifiers while dielectric pairs are useful for forming lasers.

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